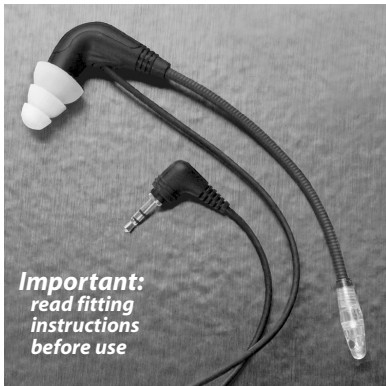


ETY•COM™

headset



User Manual

Important Instructions

Best performance is achieved by

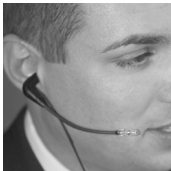
- obtaining a good seal in the ear canal
- positioning the microphone close to the mouth

Earphone

Select an eartip that allows the earphone to seal the ear canal so that it stays in position and the boom does not rotate downward during use. Position the earphone securely in the ear. Moisten the eartip if necessary to ease insertion.

Microphone

The microphone is highly directional. It will pick up your voice within a narrow range and reject background noise that comes from outside that range. To stay in this range, bend the boom so that the microphone is within 1/2 inch of your mouth. Excessive jaw movement can cause the eartip to work out of the ear if it is not well sealed. Occasionally check the fit of the eartip to ensure that the boom remains in place and the microphone does not move away from your mouth; otherwise the microphone will reject your voice and you will be difficult to hear.



Insertion

White eartip insertion

- For best results, moisten the eartip before insertion.
- Insert the eartip by pulling the ear outward and upward. The eartip should seal deeply and comfortably in the ear canal.
- Adjust the gooseneck so that the microphone is within 1/2" of your mouth.
- Once properly inserted the microphone (boom) should not move.



Foam eartip insertion

- Use a foam eartip if a good seal cannot be obtained with a white eartip.
- Compress the foam at the end of the earphone by rolling it between your thumb and forefinger before inserting it. Hold the earphone in place for about 5 seconds while the foam expands to create a tight seal.

Removal

Remove the eartip slowly with a twisting motion to break the seal.

Eartips

The **ETY-COM** headset is supplied with assorted eartips to achieve an optimal fit.

White eartip

3-flange
(standard)



3-flange
(long stem)



2-flange
(small)



2-flange
(large)



Cleaning:

1. Carefully remove the eartip from the earphone.
2. Use water and mild soap to remove dirt and earwax from the eartip.
3. Rinse and completely dry the eartip.
4. Push the eartip completely on the stem.

Foam eartip

Replace the foam eartip as needed.

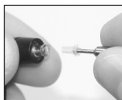
Earphone Filter

The ETY-COM headset has a special filter that smoothes the frequency response and prevents earwax from entering the earphone. The filter, identified by green acoustic mesh in a small plastic barrel, is located at the end of the headset and is visible when the eartip is removed. If the filter becomes clogged it should be replaced. A dirty filter will reduce or block the headset output. The need to change filters varies widely among users. The filter should be changed if the volume decreases or the sound quality declines.

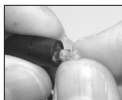
Changing the filter



1. Remove eartip



2. Remove filter with tool provided



3. Insert new filter



4. Gently press into place



5. Attach eartip

Proper Care

- Do not expose the headset to extreme temperatures.
- Avoid dropping or strong impact.
- Always leave an eartip on the headset for shock protection.
- Do not pull on the cord to remove it from the jack or the ear.
- Clean or replace the eartip prior to use by others.
- Replace the disposable foam eartips regularly.
- Earwax buildup can reduce the headset output. When the filter becomes clogged it should be replaced. See "Changing the filter."

Specifications

RECEIVER

Transducer type: balanced armature

Impedance: 32 Ohms @ 1 kHz

Maximum continuous input: 1 V

Sound pressure level 1 kHz: 97 ± 3 dB @ 0.1 V

Frequency response: 22 Hz to 12 kHz

MICROPHONE

Microphone type: directional electret

Operating voltage: 1.0 V to 10.0 V

Close talking sensitivity: -46 ± 3 dB re: 1 V/Pa @ 1 kHz
(measured @ 15 mm from source)

Noise Rejection: 10 dB

(compared to an omnidirectional microphone at the same location)

Noise Isolation

The *earphone* provides the highest noise isolation of any mobile phone headset. Noise reduction is 37 dB, averaged over the octave frequencies from 125 to 8000 Hz, allowing only the audio from the caller to enter the ear. As an earplug, it has a calculated noise reduction rating (NRR) of 24 dB. The *microphone* provides 4 to 11 dB greater noise rejection than other microphones at the same location, and up to 25 dB more noise rejection than booms that are not close to the mouth.

Warranty

Etymotic Research, Inc. warrants this product against defects in material or workmanship for a period of 90 days from the date of original purchase from an authorized Etymotic distributor or reseller. The warranty can be extended to 1 year if Etymotic receives a warranty card anytime within 90 days of purchase. ER will repair or replace the defective product at its option if returned within the warranty period to our service facility. This warranty is in lieu of all other warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose.

Etymotic Research Inc.

Etymotic Research, Inc. (ER) is a research, development and manufacturing company that designs products to measure, improve and protect hearing. ER has developed many innovative hearing technologies available today. ER products are used by musicians and others who insist on superior sound quality. Etymotic means "true to the ear."

Other ETYMOTIC RESEARCH consumer products:

ER-4 MicroPro™ Earphones

ER-6 Isolator™ Earphones

ER-9, 15, 25 Musicians Earplugs™

ER-20 High Fidelity Earplugs

ETY•COM™
headset

ETYMOTIC RESEARCH INC.

61 Martin Lane • Elk Grove Village, IL 60007

www.etymotic.com • 1-888-ETYMOTIC



ETY-COM™ is a trademark of Etymotic Research, Inc. The ETY-COM™ headset is covered by one or more of the following U.S. patents: #4,677,679, #4,763,753, #5,878,147, #5,887,070, #6,075,869, #6,134,344, #6,151,399, #6,285,771, #6,567,526 and other patents pending.

ER22-20000-3/04